

Sustainable Fort Bragg

VOL 2, SEPT 2003

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COL AYCOCK AND SECRETARY ROSS HOST AUGUST SUSTAINABLE SANDHILLS CONFERENCE AT FORT BRAGG



Participants listen at the August Sustainable Sandhills Executive Conference.

A vision for the future of the Sandhills region of North Carolina, and some of the strategies to obtain the vision, were unveiled to approximately 220 visionaries from Cumberland, Harnett, Hoke, Moore, Richmond and Scotland counties at the Sustainable Sandhills Initiative Executive Summer Conference held recently at the Fort Bragg Officer's Club.

"If we're smart enough to do the right thing, when our children and their children will look back at what this generation did when we stood at the crossroads, and they will be able to say that we moved ahead together rather than being at odds," said SEC Bill Ross, NC Department of Environment and Natural Resources. "It's our challenge to remember that what we are setting out to accomplish is important, it will be hard, there is no other choice, and through cooperation we can find the right route to bring a higher quality of life to the region."

Ross and COL Al Aycock, Fort Bragg Garrison Commander, hosted the event that drew elected officials, civic

leaders, professionals and concerned citizens from throughout the region. Sustainable Sandhills Initiative Chair, Mayor Ethel Clark (Spring Lake), and Vice-Chair, Walter White (Lumbee River Electrical Cooperative) unveiled the initiative's vision statement and charter at the event. Representatives from the Community Resource Teams formed at the May Sustainability Training Workshop, presented the visions and strategies for air, water, energy, land use, and material and waste.

"This is about a legacy," said White. "We have the framework, what's important going forward is our actions."

Readiness Business Center Strives to be Sustainable Fort Bragg Leader



RBC Training Division leadership meets to discuss how they can make a positive impact and support Sustainable Fort Bragg goals.

Holding up a Styrofoam cup, Mike Lynch shakes his head and tells fellow Readiness Business Center (RBC) leaders, "There has got to be a better choice." Lynch, director of the RBC Training Division, gathered his branch chiefs together on September 16 to discuss the small changes in their work life and business practices they could implement that support both the mission and the environment.

"How many of these cups do we use that just end up in

the landfill? I'm guessing thousands." Lynch said. "They aren't going to go away in my lifetime...probably not in our children's lifetime either."

Stopping the purchase of Styrofoam cups is just one thing Lynch asked his leaders to do. At every staff meeting, the group will look at the 10 Sustainable Fort Bragg goals and develop projects to support each goal.

Stakeholders from across the installation developed the 10 goals at the Environmental (continued on page 2).....

Sustainable Fort Bragg Vision

In order to maintain the Fort Bragg legacy and to continue to train troops to standard, it is necessary to integrate long-term sustainable planning into the day-to-day operations of the installation. Our vision for Sustainable Fort Bragg is an installation that will:

- ◆ Provide soldiers the necessary training to ensure mission success without compromising local or regional environmental quality;
- ◆ Be recognized as a world leader in practicing global citizenship and promoting sustainability values;
- ◆ Continuously seek new technologies, share lessons learned and promote the exchange of ideas within the region and communities;
- ◆ Restore and protect these valuable assets for future generations, as nationally recognized stewards of significant cultural and natural resources; and
- ◆ Be an integral part of a healthy, thriving region, where all enjoy a high quality of life and access to vital resources.

Readiness Business Center Strives to be Sustainable Fort Bragg Leader (continued from page 1)

Sustainability Executive Conference in April 2001. Addressing areas such as water, waste, air, and land use, Sustainable Fort Bragg goals are part of the installation master plan. Sustainable Fort Bragg aims to ensure that soldiers and families will enjoy the same quality of life and training conditions in the future that they enjoy today.

"What have we done as a division to reduce water usage? How are we reducing waste?" Lynch recognizes the potential his division has to impact the installation. "We have 180 employees from biologists and air traffic controllers to equipment operators and soldiers," Lynch said. "As a division that reaches out and touches a large part of this post, we can help embed this sustainability ethos into everyday life." A small change at firing ranges is just one of the Training Division's success stories since committing to the Sustainable Fort Bragg initiative.

Previously, RBC personnel cut circles out of sheets of plywood, painted the plywood and place them over fox holes on the ranges to keep out small animals and storm debris. The plywood covers last about two years before heading to the landfill, then more circles are cut, painted and placed on the ranges. Any scrap materials went directly to the landfill.

Bill Edwards, the RBC Range Control Officer, has found a better process that saves money, eliminates landfill wastes, gets rid of hazardous material use, saves energy, reduces labor expenses and saves money. Edwards is purchasing recycled plastic fox hole covers – already colored so no painting is required –

that are expected to last at least 10 years. And when it's time for a new cover, the old one isn't going to the landfill. "The company is going to take them back and recycle them into new ones," Edwards said.

The new plastic covers cost more, but Edwards and Lynch expect that they will save money in the long run. "It maybe more cost on the front side, but over the long haul, it's a cost savings," Lynch said.

Lynch plans to spread ideas like this to others in the Army through conferences, meetings and newsletters. Bragg will simply be a leader in a trend, he said. "Fort Bragg has thousands of fox holes, but the Army has hundreds of thousands," Lynch said. "This small change has big potential."

RBC is diverting wastes from other activities on post as well. Doors removed from housing areas and construction projects are first offered to the

Training Division for use on urban warfare training ranges, and concrete recycled from building deconstruction projects is used for range repairs.

"These are small things by themselves," Lynch said. "But collectively as a division, we can make a positive impact."

The Airborne and Special Operations Museum in downtown Fayetteville (which is run by the Training Division) has jumped on board with Lynch's challenge. The museum reduced the utility bill by 40 percent by replacing display lighting with more efficient light bulbs.

"This is going to be the way of the Army in the future," Lynch said. "Maybe we'll get other directorates to think that, 'Hey, we can do that too.' We're going to be the damn champions."



Bill Edwards shows-off the recycled fox hole covers RBC will use to help Sustainable Fort Bragg reach the installation's goals.

ARMY CORPS OF ENGINEERS HOLDS SUSTAINABILITY CHARRETTEES FOR FY07 MILITARY CONSTRUCTION PROJECTS

Sustainable design and development hinges on making good decisions and choices very early in the planning process. *Charrettes* are the vehicles most often used to ensure that all stakeholders are involved in the facility design process. Due to funding and timing constraints, the Army has historically only selected a very few specific projects to undergo a full charrette.

According to Rob Harris, Chief, Construction Management Division, PWBC (Fort Bragg), "Charrettes will be the norm for future MILCON projects. Although the Air Force has been making

them mandatory for several years, both the Air Force and Army are now emphasizing sustainability." The charrettes are centrally funded by the Army Chief of Staff for Installation Management.

Thus far, PWBC has held two planning charrettes for FY07 Military Construction Projects (3rd Brigade Complex and 82nd Divarty. Kathryn Haught and Lance Locklear, Real Property & Planning Branch, are the project managers for these two Gold facilities.



Lance Locklear and Kathryn Haught (Real Property and Planning Branch) review plans for upcoming construction projects.

NEW SCRAP METAL DIVERSION AT LAMONT LANDFILL BENEFITS THE INSTALLATION RECYCLING EFFORTS

Fort Bragg operates two landfills on Lamont Street. One is referred to as an LCID (land clearing and inert debris) landfill and the other is a C&D (construction and demolition waste) land-

fill. By targeting items that have bypassed the routine scrap metal turn-in process, and in cooperation with the local Defense Reutilization and Marketing Office (DRMO), Fort Bragg has diverted 62.59 Tons (125,180 lbs.) of scrap metal from these landfills from 1 July 2003 through 8 September 2003. This scrap metal is sold through the DRMO and proceeds go to the installation recycling account to help make capital improvements in the recycling program. While 62 tons of scrap metal will only net about \$1,500 for the QRP, this was after only 70

days of the new operations! Just imagine what the power of one could do for our landfill!!

If we can divert 62 tons in 70 days, what can we do over the long-term? It all starts with YOU!

- ♦ Don't commingle metal with inert debris or C&D waste.
- ♦ Turn scrap metal in to the DRMO for recycling and resale
- ♦ Contact Sid Williamson or Drew Hammonds ((910)396-3341 ext 358 or 397) for assistance with scrap metal turn in (williamssi@bragg.army.mil or hammondsa@bragg.army.mil).



Roll-off container filled with scrap metal that was diverted prior to landfilling.



Sustainable Fort Bragg: *The Right Way – The Green Way – All The Way*



The first step in developing a Sustainability Management System (SMS) for the installation, the policy stands for compliance with environmental laws and regulations (*The Right Way*); incorporation and practice of pollution prevention measures (*The Green Way*), and continual assessment and improvement of environmental practices (*All The Way*).

Over the last year Fort Bragg has been involved in DoD training to develop an SMS for the installation based on the ISO 14001

standard. This training is part of a grant between SERO and Georgia Tech University.

Fort Bragg is using ISO 14001 as the framework to achieve the installation's 25-year long-term sustainability goals. This ISO standard uses the Plan-Do-Check-Act system that continuously works to improve the environment. The Core Business Process owners work to identify the most significant environmental aspects on the installation and then objectives and

targets are taken from the Sustainability 5-yr plan to improve these aspects. Colonel Aycock, Fort Bragg's new Garrison Commander, will oversee the SMS. Progress will be reviewed quarterly with an audit conducted annually.

In mid-November Fort Bragg, along with other Region 4 DoD installations involved in the training, will present the status of the Sustainability Management System to SERO.

TRAINING NEWS FROM SUSTAINABLE FORT BRAGG

- ◆ Beginning in July 03, the concepts of sustainability have been included in the XVIII Airborne Corps Pre-Command Course and has been included in all Environmental Compliance Officer Courses since April 2003.
- ◆ Soldier in-processing module for Sustainable Fort Bragg is 80% complete.
- ◆ Sustainable Fort Bragg information was presented at the Conference for Environmental Educators of North Carolina in Haw River, NC, on 7 September 2003.
- ◆ Sustainable Fort Bragg is partnering with the North Carolina Department of Environment and Natural Resources, Environmental Education Division (NC DENR, EE) and local environmental educators to develop methods to present sustainability training to the regions teachers (K-12). The objective is to provide teachers with the tools to integrate sustainability concept into the existing curricula, providing tomorrows leaders with the tools to make sustainability decisions in the future.
- ◆ Updated information is available on the website for Sustainable Fort Bragg. Keep a close watch on <http://www.bragg.army.mil/sustainability/>
- ◆ Presentations are available for OPD's or NCOPD's. Please contact Lynda Pfau at 396-3341 ext 357 (lpfauls@bragg.army.mil) for more information.



ECO students discuss Sustainability issues with the instructor following a class (Sept 2003).

Never doubt that a small group of thoughtful committed citizens can change the world. Indeed, it is the only thing that ever has. - Margaret Mead

FORT BRAGG JOINS LOCAL COMMUNITIES IN SIGNING "EARLY ACTION COMPACT" TO HELP IMPROVE REGIONAL AIR QUALITY

EPA monitoring indicates that Cumberland County has exceeded the air quality standard for ozone. This non-attainment has many negative implications (particularly transportation) for the local area, including Fort Bragg. To address the issue, the Cumberland County Board of Commissioners in December 2002 approved an Early Action Compact (EAC) and forwarded it to the State and EPA for their approval.

This compact allows the area three years to improve air quality. If they are successful, they will defer the effective date of non-attainment designation and, ideally, improve air quality to the point of making the designation moot. This involves voluntarily developing and implementing a plan to attain the eight-hour standard for air quality. Both Secretary Ross, NC DENR, and EPA Region 4 have approved and signed the EAC. Fort Bragg has sent a letter of support to the Commissioners, and is involved in the process with COL Bean representing Fort Bragg as a Stakeholder on the EAC, and three of the PWBC staff on the Air Quality Techni-

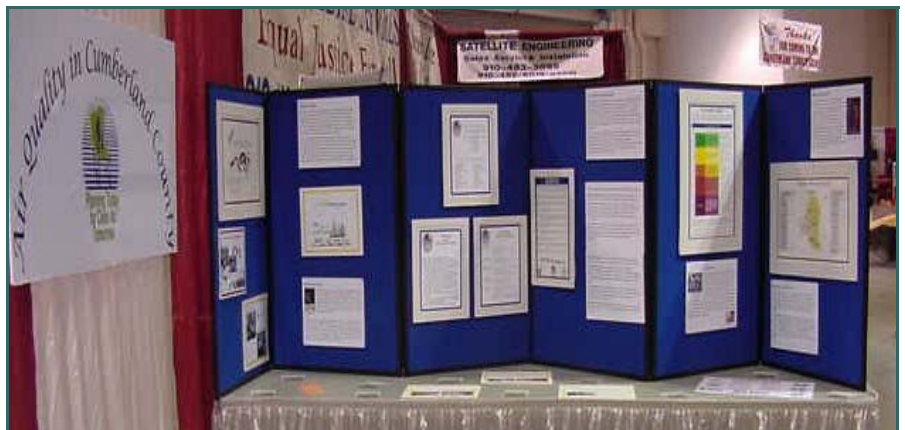
cal Committee.

The Stakeholders have approved 31 proposed implementing strategies developed by the Technical Committee. They cover categories such as Land Use, Government, Mobile Source, Conservation, and Awareness.

The EAC has sent the first bi-annual progress report to EPA on June 30, 2003.

Improved air quality is in sight.

(Transportation Team Leader Doug Flowers, [RBC \(flowersd@bragg.army.mil\)](mailto:flowersd@bragg.army.mil); Air Quality Manager Joe Stancar, PWBC, stancari@bragg.army.mil)



The Fayetteville Area Metropolitan Planning Office (FAMPO) has taken the lead in the Early Action Compact for Cumberland County. This is a display used by the EAC participants to help increase public awareness.

FORT BRAGG TEAM LEADERS

Water Quality: *Craig Lantz*
lantzc@bragg.army.mil

Water Supply: *Dave Heins*
heinsd@bragg.army.mil

Waste Reduction: *Paul Wirt*
wirtp@bragg.army.mil

Sustainable Design: *Rob Harris*
harrisr1@bragg.army.mil

Energy: *Steve Smith*
smiths@bragg.army.mil

Land Use: *Glen Prillaman*
prillamg@bragg.army.mil

Transportation: *Doug Flowers*
flowersdg@bragg.army.mil

Training: *George Frank*
frankgr@bragg.army.mil

Materials: *Rob Dozier*
dozierrob@bragg.army.mil and
Jennette Davis, davisj2@bragg.
army.mil

SUSTAINABLE FORT BRAGG CONTACT

INFORMATION:

AFZA-PW-E
XVIII ABN CORPS AND FORT BRAGG
ATTN AFZA PW E (ESO)
FORT BRAGG, NC 28310

Phone: 910-396-3341, x361
Fax: 910-396-4188

WE'RE ON THE WEB AT:

www.bragg.army.mil/sustainability/



FORT BRAGG ELIMINATES 4 TONS OF OZONE DEPLETING CHEMICALS FROM LARGE CHILLERS

Fort Bragg has just completed removal of 8,747 pounds of Class I ozone depleting R-11 and R-12 type refrigerant. The material was replaced with an environmentally friendly substitute as part of a project to retrofit large building chillers located on Fort Bragg. The materials were shipped to the Defense Logistics Agency (DLA) in Richmond, VA. These ozone-depleting chemicals (ODCs) were used in chillers that provide air conditioning for large facilities on the installation. Removal and replacement of ODC's will help Fort Bragg do its part to improve regional air quality.



This 725 ton CMA chiller in Building D-3529 that provides air conditioning to facilities in the D Area was recently retrofitted with R-123 refrigerant

The Next Steps for Sustainable Fort Bragg Teams

The first Five-Year Resource Plan is complete and has been submitted to higher headquarters — team leaders and process owners have identified no-cost low-hanging fruit and have seized the opportunity to affect change....but where do we go from here?

The next steps will be linking the work you have already done (vision, goals and targets) to the procedures required for the Sustainability Management System (see article on page 3). This will enable Team Leaders to provide quality information and data for the Senior Management Board and Strategic Plan updates, but even more importantly, it will enable you to make identify and implement the procedural changes necessary for goal

success. So, the question is still...what's next???

We'll start down this path in 1QTR 04 with a quick convocation of Team Leaders (date, location and time TBD) where the agenda will include catching up on Sustainable Fort Bragg news and progress; overview of ISO 14001 Environmental Management Systems; discussion on the overall processes under the Sustainable Fort Bragg goals, and prioritization of the processes for development of SMS conforming procedures. The information developed at that convocation will feed into the existing SMS framework and will, ultimately, result in a fully fledged SMS.

Where Can I Find More Information About Purchasing Environmentally Preferred Products?

Check out these websites:

- ◆ Environmental Protection Agency — <http://www.epa.gov/cpg/>
- ◆ General Services Administration — <http://www.fss.gsa.gov/environ>
- ◆ The Conscious Consumer — <http://www.newdream.org/consumer/index.shtml>
- ◆ <http://www.biiohinking.com/course.htm>
- ◆ (Of course, Fort Bragg does not endorse any products identified on these websites)

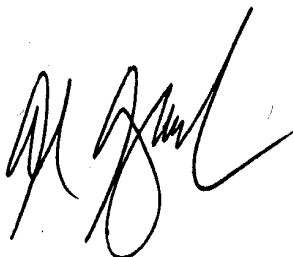
Sustainability Management System Statement

Fort Bragg, the Army's premier power projection platform, is charged with the mission to mobilize and deploy America's contingency forces. To support this critical mission, all military, civilian, and contracted personnel on Fort Bragg must comply with applicable laws and regulations while performing their duties in a manner that prevents pollution, conserves natural & cultural resources, and protects the environment. Fort Bragg is committed to protecting, sustaining, and enhancing both the human and natural capital that the installation and surrounding communities need to remain a vibrant region. In order to achieve these goals and continuously improve our environmental performance, Fort Bragg will establish, implement, and maintain an effective, integrated Sustainability Management System.

Our Policy:

Sustainable Fort Bragg

The Right Way – obey environmental laws
The Green Way – practice pollution prevention
All The Way – keep improving.



AL AYCOCK
COL, SF
Garrison Commander

19 Sep 03